Inventor(s): Dongren Chen ARC-P122 1/12

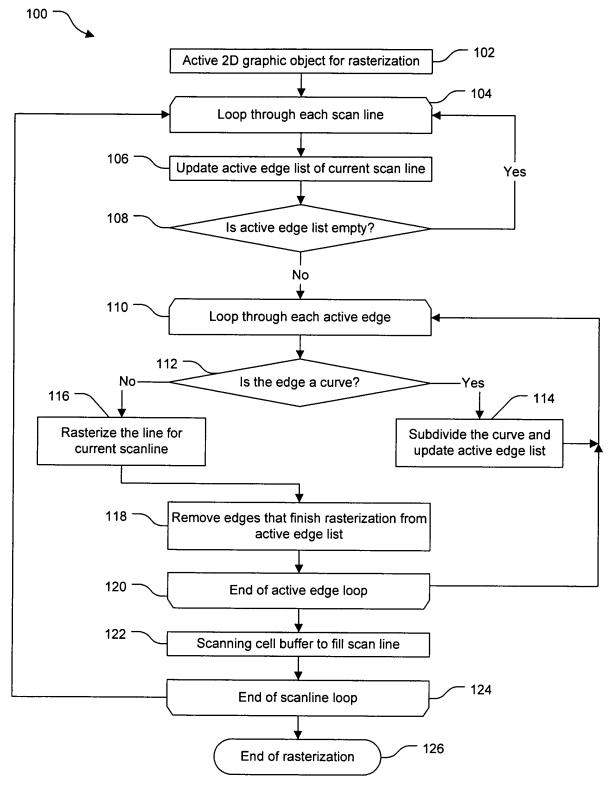


Fig. 1

Inventor(s): Dongren Chen ARC-P122 2/12

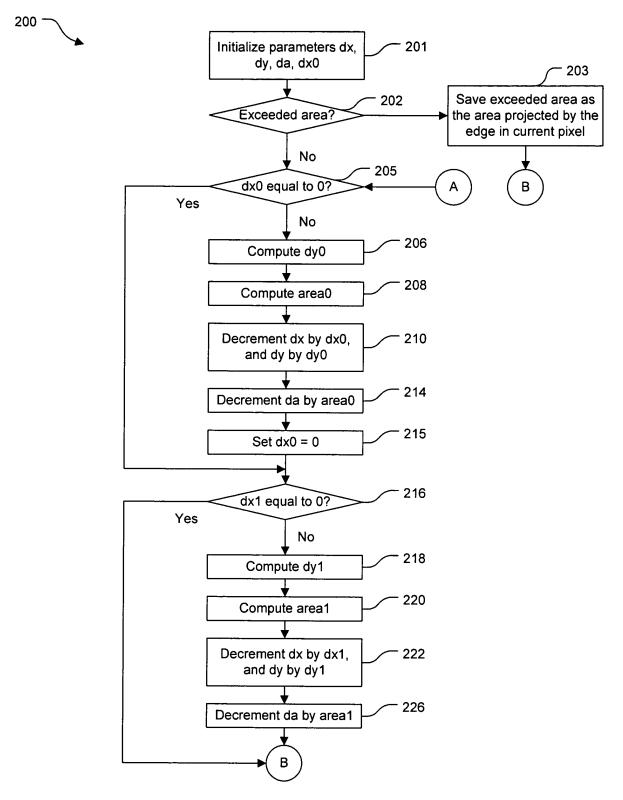


Fig. 2A

Inventor(s): Dongren Chen ARC-P122 3/12

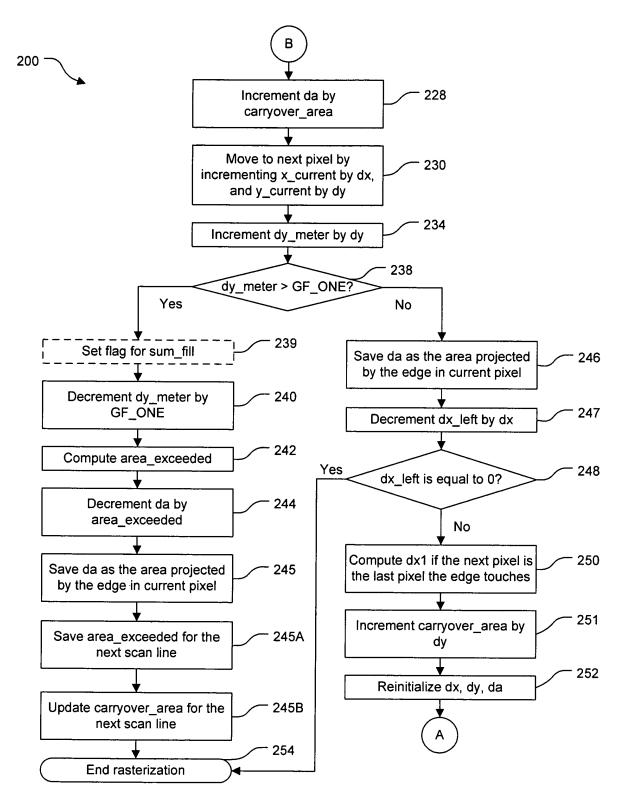
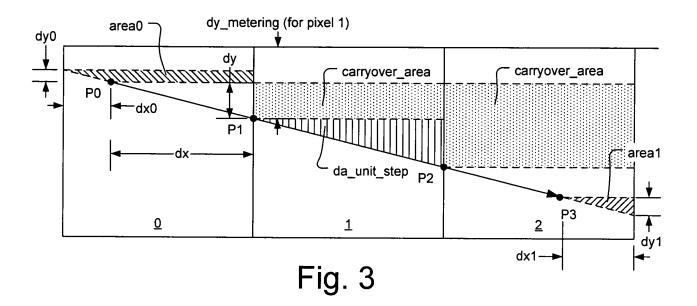


Fig. 2B

Inventor(s): Dongren Chen ARC-P122 4/12



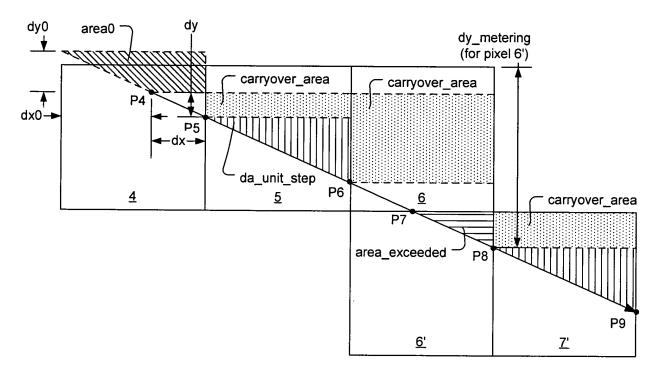


Fig. 4

Inventor(s): Dongren Chen ARC-P122 5/12

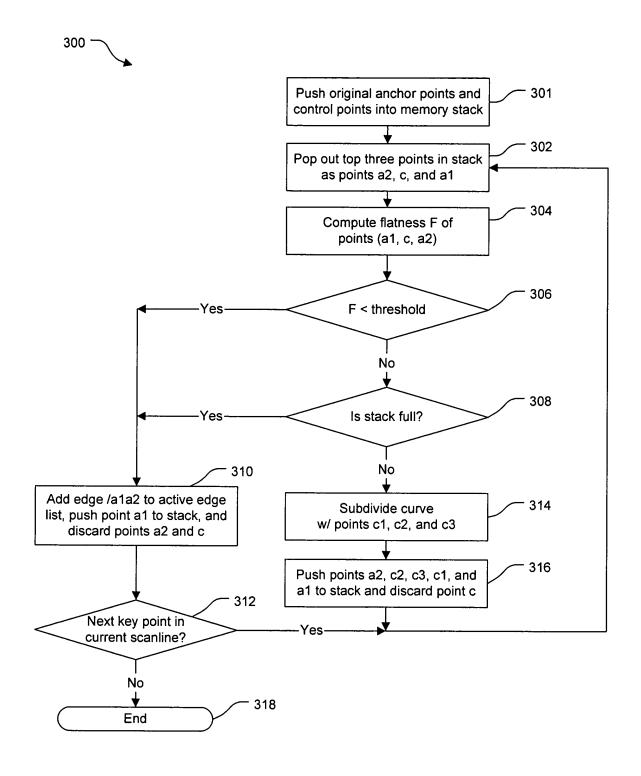


Fig. 5

Inventor(s): Dongren Chen ARC-P122 6/12

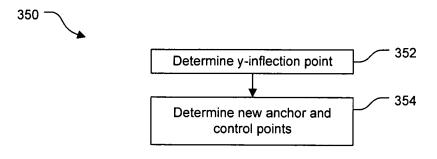


Fig. 6

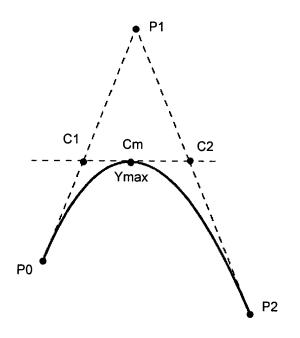
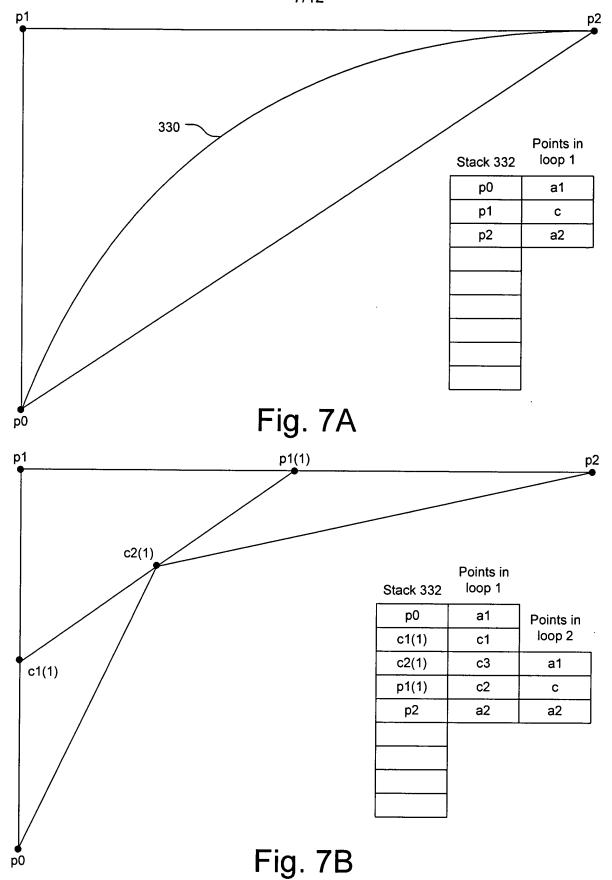


Fig. 6A

Inventor(s): Dongren Chen ARC-P122 7/12



Inventor(s): Dongren Chen ARC-P122 __ 8/12

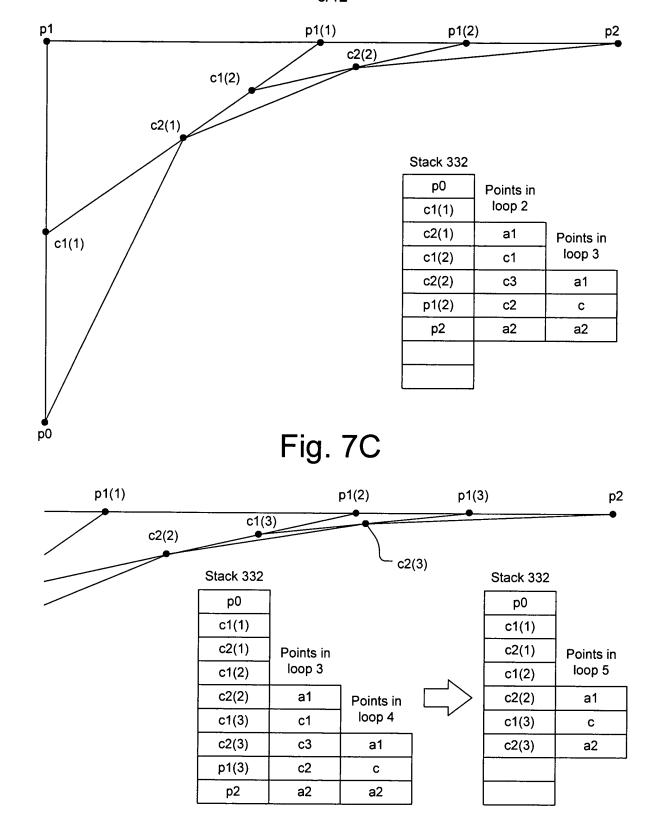


Fig. 7D

Inventor(s): Dongren Chen ARC-P122 9/12

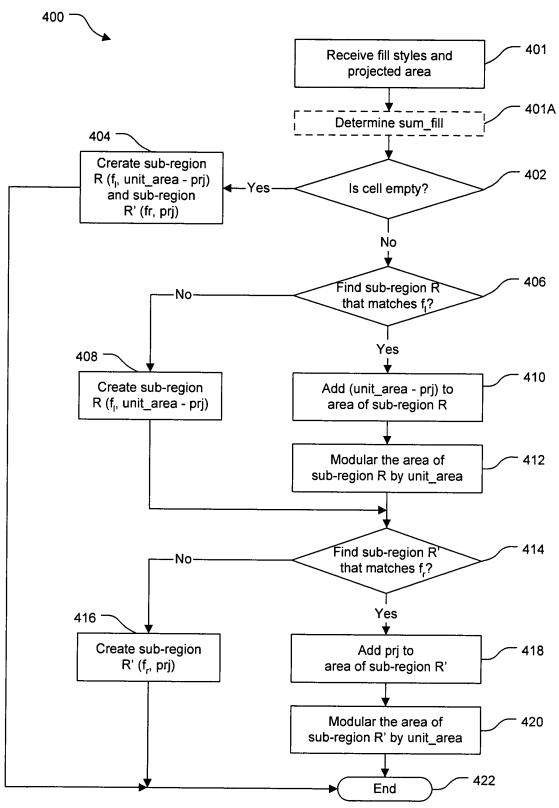
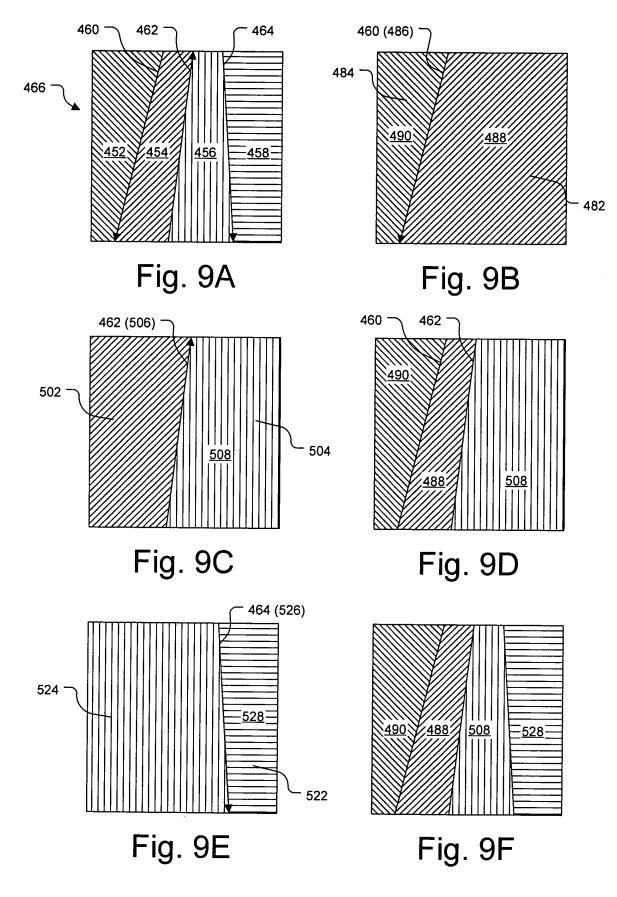
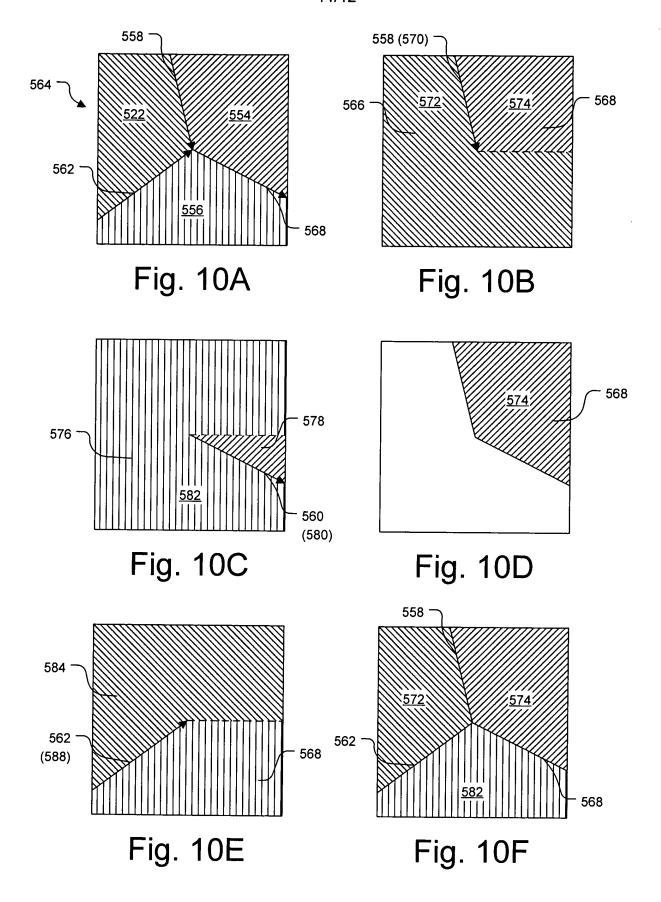


Fig. 8

Inventor(s): Dongren Chen ARC-P122 10/12



Inventor(s): Dongren Chen ARC-P122 11/12



Inventor(s): Dongren Chen

ARC-P122 12/12 401A 614 615 Flag for sum_fill set? $sum_fill += (f_r - f_l)$ Yes-616 sum_fill += 0 No-Fig. 11A 600 602 Sub-pixel regions? No-606 Yes 610 604 Fill pixel with fa fill Next pixel cell fa += sum_fill sytle 608 ٠No Last pixel cell? Yes 612 End Fig. 11B 1 2 3 4 5 6 7 8 - 632B 624 628 618 f0 ₹1 **∜** f0 f2 f0, f0 f0 626 630 632A 630 f0, a0 f1, a2 f2, a5 f3, a8 f1, a1 f0, a3 f0, a6 f0, a9 f2, a4 f3, a7 sum_fill sum_fill sum fill sum fill = f1= f2 - f1= f0 - f2= 0 fa = f1fa = f1 fa = f1 fa = f2fa = f2fa = f0fa = f0fa = f0

Fig. 12